

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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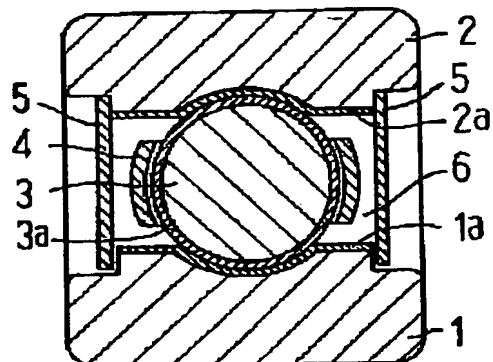
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APPLICANT : NTN CORP;

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TITLE : ROLLING BEARING FOR  
SEMICONDUCTOR MANUFACTURING  
FACILITY



ABSTRACT : PURPOSE: To provide a rolling bearing which has comparatively excellent low dusting characteristics and excellent durability.

CONSTITUTION: This bearing is composed of bearing parts such as an inner ring 1, an outer ring 2, plural balls 3 interposed between the inner and outer rings 1 and 2, holders 4 to hold the balls 3 at regular intervals on the circumference and SUS 304 shield plates 5 installed, for example, in the inside diameter parts on both ends of the outer ring 2. PTFE lubricating coats 1a, 2a and 3a composed of PTFE having, for example, average molecular weight of not more than 5000 are formed on the rolling travel surfaces of the inner and outer rings 1 and 2 and the surfaces of the balls 3, and fluorine type vacuum grease 6 is sealed in a bearing.

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